

**CLAIMS:**

1. Method of setting an output quality of a next media-frame, wherein the output quality is provided by a media processing application; the media processing application is designed to provide a plurality of output qualities of the next media-frame; and
  - 5 setting the output quality of the next media frame is based upon a self-learning control strategy that uses a processing time and an output quality of a previous media-frame to determine the output quality of the next media-frame.
- 10 2. Method according to claim 1, the method comprising:
  - processing the previous media-frame;
  - determine a state comprising of
    - a relative progress value of the processed previous media-frame;
    - a scaled budget value of the processed previous media-frame; and
    - the output quality of the processed previous media-frame;
- 15 3. Method according to claim 2, wherein the revenue is based upon a number of deadlines that were missed, the output quality of the previous media-frame, and a quality change.
  - 20 4. Method according to claim 2, wherein the revenue for a finite number of states is determined, the finite number of states being determined by a finite set of scaled budget values and a finite set of relative progress values.
- 25 5. Method according to claim 2, comprising:
  - reducing the number of states for which the revenue is determined by reducing those states that only differ in the output quality of the processed previous media-frame.

6. System (900) to set an output quality of a next media frame, comprising:  
application means (902) conceived to provide the output quality of a plurality  
of output qualities of the next media frame; and  
control means (904) conceived to set the output quality of the next media  
frame based upon a self-learning control strategy that uses a processing time and an output  
quality of a previous media frame to determine the output quality of the next media frame.
7. System according to claim 6, the system comprising:  
processing means (906) for processing the previous media-frame;  
determining means (908) for determining a state comprising of  
a relative progress value of the processed previous media-frame;  
a scaled budget value of the processed previous media-frame; and  
the output quality of the processed previous media-frame;  
revenue means (910) for determining a revenue based upon the state and a  
possible output quality of the next media-frame.
8. System according to claim 7, the system comprising:  
reduction means (912) for reducing the number of states for which the revenue  
is determined by reducing those states that only differ in the output quality of the processed  
previous media-frame.
9. A computer program product designed to perform the method according to  
claims 1.
10. A storage device comprising a computer program product according to claim  
9.
11. A television set comprising a system according claim 6.